

HDC HE 6 MT**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



For the tension clamp connection, the wire connection level is designed as a tension clamp element. Thus practically no servicing is required. In addition, a secure and permanent connection is established which is resistant to vibrations.

Number of poles: **6**Rated current: **24 A**Rated voltage: **500 V**Nominal voltage acc. to UL/CSA: **600 V AC/DC**

Tension clamp connection

General ordering data

Version	HDC insert, Male, 500 V, 24 A, Number of poles: 6, Tension-clamp connection, Size: 3
Order No.	1745820000
Type	HDC HE 6 MT
GTIN (EAN)	4008 190985547
Qty.	1 pc(s).

Creation date November 26, 2024 1:02:42 PM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

HDC HE 6 MT

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	51 mm	Depth (inches)	2.008 inch
Height	33.5 mm	Height (inches)	1.319 inch
Width	34 mm	Width (inches)	1.339 inch
Net weight	43 g		

Temperatures

Limit temperature	-40 °C ... 125 °C
-------------------	-------------------

Dimensions

Height of plug	33.5 mm	Total length base	51 mm
Width	34 mm		

General data

BG	3		
Colour	beige		
Conductor cross-section	2.5 mm ²		
Free from halogens	true		
Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)		
Insulating material group	IIIa		
Insulation strength	10 ¹⁰ Ω		
Low smoke acc. DIN EN 45545-2	Yes		
Material	Copper alloy		
Number of poles	6		
Plugging cycles, silver	≥ 500		
Pollution severity	3		
Rated current (DIN EN 61984)	24 A		
Rated current (UR)	Wire connection cross section AWG	AWG 14	
	Rated current	15 A	
	Wire connection cross section AWG	AWG 16	
	Rated current	10 A	
	Wire connection cross section AWG	AWG 18	
	Rated current	7 A	
	Wire connection cross section AWG	AWG 20	
	Rated current	5 A	
Rated current (cUR)	Wire connection cross section AWG	AWG 14	
	Rated current	14.4 A	
	Wire connection cross section AWG	AWG 16	
	Rated current	11.7 A	
	Wire connection cross section AWG	AWG 18	
	Rated current	7.6 A	
	Wire connection cross section AWG	AWG 20	
	Rated current	7.2 A	
Rated impulse voltage (DIN EN 61984)	6 kV		
Rated voltage (DIN EN 61984)	500 V		
Rated voltage according to UL/CSA	600 V AC/DC		
Series	HE		
Size	3		
Surface finish	Silver passivated		
Type	Male		
Type of connection	Tension-clamp connection		
UL 94 flammability rating	V-0		

Creation date November 26, 2024 1:02:42 PM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

2

HDC HE 6 MT

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technical data

Volume resistance $\leq 2 \text{ m}\Omega$

Connection data PE

Blade size, slotted (PE connection)	SD 0.8 x 4.0	Connection type PE	Screw connection
Fixing screw	M 4	Rated cross-section	4 mm ²
Stripping length PE connection	10 mm	Tightening torque, max. PE connection	1.5 Nm
Tightening torque, min. PE connection	1.2 Nm	Wire cross section, AWG (PE), max.	AWG 12
Wire cross section, AWG (PE), min.	AWG 20		

Version

BG	3	Blade size, slotted (screw connection)	SD 0.5 x 3.0
Conductor cross-section, max.	2.5 mm ²	Conductor cross-section, min.	0.25 mm ²
Material	Copper alloy	Size	3
Stripping length, rated connection	8 mm	Surface finish	Silver passivated
Type of connection	Tension-clamp connection	Volume resistance	$\leq 2 \text{ m}\Omega$
Wire connection cross section AWG, max.	AWG 14	Wire connection cross section AWG, min.	AWG 24
Wire connection cross section, finely stranded, max.	2.5 mm ²	Wire connection cross section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²	Wire cross-section, solid, max.	2.5 mm ²
Wire cross-section, solid, min.	0.5 mm ²		

Classifications

ETIM 6.0	EC000438	ETIM 7.0	EC000438
ETIM 8.0	EC000438	ETIM 9.0	EC000438
ECLASS 9.0	27-44-02-05	ECLASS 9.1	27-44-02-05
ECLASS 10.0	27-44-02-05	ECLASS 11.0	27-44-02-05
ECLASS 12.0	27-44-02-05	ECLASS 13.0	27-44-02-05
ECLASS 14.0	27-44-02-05		

Substance	Acetone
Chemical resistance	Resistant
Substance	Ammonia, watery
Chemical resistance	Conditionally resistant
Substance	Petrol
Chemical resistance	Resistant
Substance	Benzene
Chemical resistance	Resistant
Substance	Diesel oil
Chemical resistance	Conditionally resistant
Substance	Acetic acid, concentrated
Chemical resistance	Resistant
Substance	Potassium hydroxide
Chemical resistance	Conditionally resistant
Substance	Methanol
Chemical resistance	Conditionally resistant

Creation date November 26, 2024 1:02:42 PM CET

HDC HE 6 MT

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technical data

Substance	Motor oil
Chemical resistance	Conditionally resistant
Substance	Lye, diluted
Chemical resistance	Resistant
Substance	Hydrochlorofluorocarbons
Chemical resistance	Conditionally resistant
Substance	Outdoor use
Chemical resistance	Conditionally resistant

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1 Potassium perfluorobutane sulfonate 29420-49-3
SCIP	b67daa31-7dca-434d-8290-da7fb52f83a2
Chemical resistance	de.myview.objectmodel.impl.BlockImpl@4726440b de.myview.objectmodel.impl.BlockImpl@65b1d6bc de.myview.objectmodel.impl.BlockImpl@5a06bc33 de.myview.objectmodel.impl.BlockImpl@77f4e75 de.myview.objectmodel.impl.BlockImpl@720c448d de.myview.objectmodel.impl.BlockImpl@19636846 de.myview.objectmodel.impl.BlockImpl@76ebb87d de.myview.objectmodel.impl.BlockImpl@b9a4c33 de.myview.objectmodel.impl.BlockImpl@1b2259e1 de.myview.objectmodel.impl.BlockImpl@1981239b de.myview.objectmodel.impl.BlockImpl@32024886 de.myview.objectmodel.impl.BlockImpl@6ba06121

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E92202

Downloads

Approval/Certificate/Document of Conformity	Manufacturer's declaration
Engineering Data	CAD data – STEP
Technical Documentation	1745820000 HDC HE 06 MT STP Blatt_1.pdf
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

HDC HE 6 MT

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings

